

Investments in energy efficiency can reduce electricity demand and allow the early decommissioning of the remaining coal and fossil fuel plants. And consumers will gain from the transition to a low carbon economy: \$5 LEDs can save hundreds of dollars in energy costs over several years. High energy efficiency of CFL bulbs can bring down energy ...

1. Health. The climate crisis severely jeopardizes the realization of universal health coverage (UHC) in various ways, including by compounding the existing burden of disease and by exacerbating existing barriers to accessing health services, often at the times when they are most needed. Globally, warming of 2-3°C might result in more than 150 ...

Global push for energy efficiency can help reduce emissions. Cooling is but one example of the potential in addressing the demand side of the green equation. As the IEA states, accelerated action on energy efficiency and related avoided energy demand can help avoid around 95 exajoules of final energy demand in 2030.

Wind turbines produce renewable energy outside Caledon, South Africa, May 20, 2020. A series of global disruptions have made it abundantly clear that investing in renewable energy is necessary to avoid future energy crises and to prevent climate change. But investing in renewables is expensive -- India's transition to net-zero alone is ...

4. Using AI to recycle more waste. Another AI system is helping to tackle climate change by making waste management more efficient. Waste is a big producer of methane and is responsible for 16% of global greenhouse gas (GHG) emissions, according to the United States Environmental Protection Agency.

Greenhouse gas emissions need to be almost halved by 2030 if warming is to be limited to 1.5°C, warns the Intergovernmental Panel on Climate Change in its Sixth Assessment Report. So, it's encouraging that innovators continue to pioneer fresh approaches that are making the goal of switching the world to renewable energy more achievable.

Listen to the article. The largest impact of climate change is that it could wipe off up to 18% of GDP off the worldwide economy by 2050 if global temperatures rise by 3.2°C, the Swiss Re Institute warns. Forecast based on temperature increases staying on the current trajectory and the Paris Agreement and net-zero emissions targets not being met.

Nuclear energy is an extraordinary asset whose full potential we need to untap if we are to keep climate change in check. The narrative that pits nuclear against wind and solar is wrong. It is time for the truth to get through, for leaders to pull the necessary levers and help make the global climate goals achievable.



Energy and climate change

Solar energy is growing faster than any other energy technology in history and is expected to completely replace fossil fuels worldwide by 2050. The increasing affordability of solar energy provides our greatest opportunity for swiftly mitigating climate change. Here are four charts that demonstrate the transformative impact of solar energy in ...

How technology can fight climate change. Artificial intelligence of things (AIoT) solutions are integral to tackling some of the challenges associated with carbon management. There are three main areas of focus to make carbon management more efficient, transparent and effective. 1. AIoT - integration into measurement and reporting.

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